Intuitive Single Key-Press Navigation for Operating a Computer

Abstract

An intuitive single key-press navigation system is disclosed for operating a computer running an application software program by a user under a host operating system. The navigation system comprises a user interface and a kernel unit. The user interface comprises a user interface module for providing interface between the computer and the user by issuing interface requests during the use of the application software program by the user. The user issues the interface requests by pressing a single key on the keyboard of the computer responding to discrete options menus presented to the user by the application software program. The kernel unit comprises an interface database module for storing text-based program options information for the application software program; an interface graphics module for storing graphics information for the application software program; an interface response module for receiving the interface requests issued by the user; and an interface generator module receiving the text-based program option information and the graphics information and generates visual-effect symbols for presenting to the user based on the text and graphics information under the issued interface requests.